

Williams, Jeffery L

From: Jacques Etkowicz [jletkowicz@ratnerprestia.com]
Sent: Thursday, June 30, 2011 11:04 AM
To: Shiferaw, Eleni A. (AU2136)
Cc: Williams, Jeffery L; Deborah Grove; Melanie Clemons
Subject: RE: Proposed-Amendment for Application 10/578638

Thank you for your e-mail. We will review these in advance of our telephone interview this afternoon.

Best regards,

Jacques L. Etkowicz**RatnerPrestia**

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From: Shiferaw, Eleni A. (AU2136) [mailto:Eleni.Shiferaw@USPTO.GOV]

Sent: Wednesday, June 29, 2011 6:40 PM

To: Jacques Etkowicz

Cc: Williams, Jeffery L

Subject: FW: Proposed-Amendment for Application 10/578638

Please find below proposed amendment to the independent claims.

We didn't include the dependent claims. Dependent claims are still pending and if we agree on the proposed amendment to the independent claims, we may need to modify the dependent claims for antecedent basis problem caused by the proposed amendment to the independent claims.

It was a pleasure to speak with you this morning and we look forward to hear from you to move the case forward.

7/5/2011

**Thanks,
Eleni**

Eleni Shiferaw
**Supervisory Patent Examiner Art Unit 2437
US Patent & Trademark Office
Randolph 2D51
Phone: 571 272 3867**

From: Jacques Etkowicz [mailto:jletkowicz@ratnerprestia.com]
Sent: Wednesday, June 29, 2011 12:34 PM
To: Shiferaw, Eleni A. (AU2136)
Cc: Melanie Clemons; Deborah Grove
Subject: Serial No. 10/578638; MAT-8849US

Examiner Shiferaw:

Thank you for taking the time to speak with Debbie and me today.

As requested, in accordance with MPEP 502.03 you are authorized to email to us a copy of your proposed amendments for our consideration. We understand that you proposed amendments are made for the purposes of overcoming all current rejections of the claims and will, if finally approved by our client, result in allowance of this application.

Best regards,

Jacques

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7/5/2011

From: Williams, Jeffery L
Sent: Wednesday, June 29, 2011 5:19 PM
To: Shiferaw, Eleni A. (AU2136)
Subject: Proposed-Amendment for Application 10/578638

Hello Eleni,

Here is the proposed amendment you requested for this case. I feel that this amendment overcomes the prior art.

Thank you for your time and consideration of this matter.

Thanks,
Jeffery

1. (Currently Amended) A vehicle antitheft system comprising:

an immobilizer unit including:

a first data processor ~~means~~;

a memory storing a first set of computer instructions;

a first communication part connected with the first data processor ~~means~~;

a first antenna connected with the first communication part;

a first storage connected with the first data processor ~~means~~, the first storage preliminarily storing first data for mutual authentication; and a second storage connected with the first data processor ~~means~~;

the immobilizer unit further includes an information reception part connected with the first data processor;

and

a portable unit including:

a second data processor ~~means~~;

a memory storing a second set of computer instructions;

a second communication part connected with the second data processor ~~means~~;

a second antenna connected with the second communication part;

a third storage connected with the second data processor ~~means~~, the third

storage preliminarily storing the first data for mutual authentication;

and a fourth storage connected with the second data processor ~~means~~, the fourth storage preliminarily storing second data for mutual authentication different from the first data for mutual authentication;

wherein: the first data processor executes the first set of computer instructions and the second data processor executes the second set of computer instructions to perform the following functions comprising:

~~the immobilizer unit further includes an information reception part connected with the first data processor means, and~~ when a first instruction is fed into the information reception part, the first data processor ~~means~~ and the second data processor ~~means~~ authenticate each other by an authentication comprising: (1) the first data processor ~~means~~ transmitting via the first antenna an encrypted data based on the first data for mutual authentication stored in the first storage and (2) the second data processor ~~means~~ receiving the encrypted data via the second antenna, decrypting the encrypted data and comparing the decrypted data to the first data for mutual authentication stored in the third storage;

and the first data processor ~~means~~ and the second data processor ~~means~~, responsive to the authentication between the first data processor ~~means~~ and the second data processor ~~means~~, interchange the second data for mutual authentication to set the portable unit for the immobilizer unit in a way comprising: 1) the second data processor ~~means~~ transmitting the second data for mutual authentication stored in the fourth storage via the second antenna, 2) the first data processor ~~means~~ further storing, into the second storage, the second data for mutual authentication received via the first antenna and transmitting the second data for mutual authentication stored in the second storage via the first antenna, and 3) the second data processor ~~means~~ further storing, into the third storage, the second data for mutual authentication received via the second antenna.

2. (Currently Amended) A vehicle antitheft system comprising:

an immobilizer unit including:

- ~~a first data processor means;~~
- a memory storing a first set of computer instructions;
- a first communication part connected with the first data processor ~~means~~;
- a first antenna connected with the first communication part;
- a first storage connected with the first data processor ~~means~~, the first storage preliminarily storing first data for mutual authentication; and a second storage connected with the first data processor ~~means~~, the second storage preliminarily storing second data for mutual authentication different from the first data for mutual authentication; and

the immobilizer unit further includes an information reception part connected with the first data processor;

and

a portable unit including:

- ~~a second data processor means;~~
- a memory storing a second set of computer instructions;
- a second communication part connected with the second data processor ~~means~~;
- a second antenna connected with the second communication part;
- a third storage connected with the second data processor ~~means~~, the third storage preliminarily storing the first data for mutual authentication;

wherein: the first data processor executes the first set of computer instructions and the second data processor executes the second set of computer instructions to perform the following functions comprising:

~~the immobilizer unit further includes an information reception part connected with the first data processor means, and~~ when a first instruction is fed into the information reception part, the first data processor ~~means~~ and the second data processor ~~means~~ authenticate each other by an authentication comprising: (1) the first data processor

~~means~~ transmitting via the first antenna an encrypted data based on the first data for mutual authentication stored in the first storage and (2) the second data processor ~~means~~ receiving the encrypted data via the second antenna, decrypting the encrypted data and comparing the decrypted data to the first data for mutual authentication stored in the third storage;

and the first data processor ~~means~~ and the second data processor ~~means~~, responsive to the authentication between the first data processor ~~means~~ and the second data processor ~~means~~, interchange the second data for mutual authentication to set the portable unit for the immobilizer unit in a way comprising: 1) the first data processor ~~means~~ transmitting the second data for mutual authentication stored in the second storage via the first antenna and 2) the second data processor ~~means~~ storing, into the third storage, the second data for mutual authentication received via the second antenna.

3. (Currently Amended) A vehicle antitheft system comprising:

an immobilizer unit including:

a first data processor ~~means~~;

a memory storing a first set of computer instructions;

a first communication part connected with the first data processor ~~means~~;

a first antenna connected with the first communication part;

a first storage connected with the first data processor ~~means~~, the first storage preliminarily storing first data for mutual authentication; and a second storage connected with the first data processor ~~means~~; and

the immobilizer unit further includes an information reception part connected with the first data processor;

and

a portable unit including:

a second data processor ~~means~~;

a memory storing a second set of computer instructions;
a second communication part connected with the second data processor ~~means~~;
a second antenna connected with the second communication part;
a third storage connected with the second data processor ~~means~~, the third storage preliminarily storing the first data for mutual authentication;

wherein: the first data processor executes the first set of computer instructions and the second data processor executes the second set of computer instructions to perform the following functions comprising:

~~the immobilizer unit further includes an information reception part connected with the first data processor means, and~~ when a first instruction is fed into the information reception part, the first data processor ~~means~~ and the second data processor ~~means~~ authenticate each other by an authentication comprising: (1) the first data processor ~~means~~ transmitting via the first antenna an encrypted data based on the first data for mutual authentication stored in the first storage and (2) the second data processor ~~means~~ receiving the encrypted data via the second antenna, decrypting the encrypted data and comparing the decrypted data to the first data for mutual authentication stored in the third storage;

the first data processor ~~means~~ and the second data processor ~~means~~, responsive to the authentication between the first data processor ~~means~~ and the second data processor ~~means~~, interchange the second data for mutual authentication to set the portable unit for the immobilizer unit in a way comprising: 1) the first data processor ~~means~~ requesting the second data processor ~~means~~ via the first antenna to generate the second data for mutual authentication which is different from the first data for mutual authentication, 2) responsive to the request from the first data processor ~~means~~, the second data processor ~~means~~ further generating, storing into the third storage, and transmitting via the second antenna, the second data for mutual authentication, 3) the first data processor ~~means~~ storing, into the second storage, the second data for mutual authentication received via the first antenna and transmitting the second data for mutual authentication stored in the second storage via the first

antenna and 4) the second data processor ~~means~~ further storing, into the third storage, the second data for mutual authentication received via the second antenna.

4. (Currently Amended) A vehicle antitheft system comprising:

an immobilizer unit including:

a first data processor ~~means~~;

a memory storing a first set of computer instructions;

a first communication part connected with the first data processor ~~means~~;

a first antenna connected with the first communication part;

a first storage connected with the first data processor ~~means~~, the first storage preliminarily storing first data for mutual authentication; and a second storage connected with the first data processor ~~means~~; and

the immobilizer unit further includes an information reception part connected with the first data processor;

and

a portable unit including:

a second data processor ~~means~~;

a memory storing a second set of computer instructions;

a second communication part connected with the second data processor ~~means~~;

a second antenna connected with the second communication part;

a third storage connected with the second data processor ~~means~~, the third storage preliminarily storing the first data for mutual authentication;

wherein: the first data processor executes the first set of computer instructions and the second data processor executes the second set of computer instructions to perform the following functions comprising:

~~the immobilizer unit further includes an information reception part~~

~~connected with the first data processor means, and~~ when a first instruction is fed into the information reception part, the first data processor ~~means~~ and the second data processor ~~means~~ authenticate each other by an authentication comprising: (1) the first data processor ~~means~~ transmitting via the first antenna an encrypted data based on the first data for mutual authentication stored in the first storage and (2) the second data processor ~~means~~ receiving the encrypted data via the second antenna, decrypting the encrypted data and comparing the decrypted data to the first data for mutual authentication stored in the third storage;

and the first data processor ~~means~~ and the second data processor ~~means~~, responsive to the authentication between the first data processor ~~means~~ and the second data processor ~~means~~, interchange the second data for mutual authentication to set the portable unit for the immobilizer unit in a way comprising: 1) the first data processor ~~means~~ generating, storing into the second storage, and transmitting via the first antenna, the second data for mutual authentication which is different from the first data for mutual authentication and 2) the second data processor ~~means~~ storing, into the third storage, the second data for mutual authentication received via the second antenna.